Summer Course: Ecological Forecasting

July 16th-20th, 2018

@ Boston University

As part of the NSF-funded Near-term Ecological Forecasting Initiative this course **fully funds** (transportation, course, room, and board) 15 graduate students, post-docs, and early career academic scientists and 5 early career agency scientists interested in learning about **ecological forecasting** in a variety of contexts. This course is adapted from the newly published *Ecological Forecasting* book by Dr. Michael Dietze and will highlight iterative forecasting approaches.

Topics include Bayesian statistics (simple models, hierarchical Bayes, state-space models, etc); fusing multiple data sources; forecast uncertainty propagation & assessment; iterative data assimilation; machine learning; decision science; and a range of ecological forecasting applications such as phenology, microbiomes, carbon, infectious disease, and aquatic productivity.

Instructors include Michael Dietze (Boston University), Shannon LaDeau (Cary Institute of Ecosystem Studies), Kathleen Weathers (Cary), Jennifer Bhatnagar (BU), Colin Averill (BU), Barbara Han (Cary), and Melissa Kenney (University of Maryland).

Applications are due February 16th, 2018.
Visit ecoforecast.org/summer-course for information on applying.